

3. National workshop on Computer interfaced science experiments using ExpEYES organized by the department of Physics in association with Cspark research New Delhi 27 -29 December 2019



Report

Department of Physics, University of Calicut in collaboration Kerala State Council for Science Technology & Environment (KSCSTE) organized a Three-Day **Workshop on Computer Interfaced Science Experiments** at the Department during 27 – 29, December 2019 at **Aryabhata Hall, University of Calicut** in association with KITE Govt. of Kerala and CSpark Research, New Delhi. The Workshop mainly focussed on science experiments with ExpEYES-17 experimental kit and usage of Python programming language for learning and teaching science and engineering topics. ExpEYES-17 is an open hardware device developed initially by the scientists of Inter-University Accelerator Centre (IUAC), New Delhi, with an objective of developing low-cost laboratory equipment effectively utilizing the powers of microcontrollers. It is a hardware & software framework for developing and demonstrating Science & Engineering experiments in classrooms without getting into the details of electronics or computer programming. It converts a PC into a science laboratory for performing Physics and Engineering experiments. The ExpEyes' hardware design and software are distributed freely under GNU and CERN OHL. Since our department has around 40 ExpEYES kits, we could manage the hands-on training session effectively.

Mr. Georges KHAZNADAR, Lycée Jean Bart, France, **Dr. B.P. Ajith Kumar**, Scientist, Inter University Accelerator Centre, New Delhi, **Dr. Shaju K Y**, Christ College, Iringalakkuda, **E K M Rafeek** HSSST, **Dr. Abdulla K K**, **Mr. Jithin B.P** CSpark Research, **Er. Jemshih** took classes and lead hands on session. More than 50 participants including department students, research scholars, science and engineering teachers, higher secondary school teachers and a few enthusiasts attended the program. Professor of Physics and an expert of Mathematica came as a resource person along with faculty members from the host department lead the classes and hands-on sessions.